

# HISTORIC AMERICAN ENGINEERING RECORD

## INDEX TO PHOTOGRAPHS

HAER  
NJ  
7-NEARK,  
39-

Route 1 Extension, Southbound Viaduct  
(Structure No. 0703-152)

HAER No. NJ-80

Spanning Conrail Yards, Wilson Avenue,  
Delancy Street, and South Street on  
Routes 1 & 9 Southbound

Newark  
Essex County  
New Jersey

Photographer: (Views 1-62) Wayne Fleming

October 1992

- NJ-80-1      VIEW SOUTHWEST, BEGINNING OF VIADUCT AT NORTH END,  
BEGINNING OF WILSON AVENUE RAMP
- NJ-80-2      VIEW NORTHEAST, AT BACK END OF WILSON AVENUE RAMP  
SPLIT SHOWING THROUGH TO NORTHERN APPROACH AND  
SETTING
- NJ-80-3      VIEW SOUTHWEST, SPLIT ROADWAY MERGE SOUTH OF WILSON  
AVENUE
- NJ-80-4      VIEW NORTH, TYPICAL DECK SHOT AT CURVE JUST NORTH OF  
SOUTH STREET RAMP
- NJ-80-5      VIEW SOUTH, ROADWAY AT SOUTH STREET RAMP SPLIT
- NJ-80-6      VIEW NORTHEAST, FROM WEST SIDE AT SOUTH STREET RAMP  
SPLIT
- NJ-80-7      VIEW NORTHEAST, SOUTH STREET RAMP
- NJ-80-8      VIEW NORTHEAST, WIDE SETTING SHOT INCLUDING SOUTH  
STREET RAMP
- NJ-80-9      VIEW EAST, ACROSS DECK SOUTH OF SOUTH STREET RAMP
- NJ-80-10     VIEW NORTHEAST, TYPICAL SIDEWALK VIEW ALSO SHOWING  
TOP OF BALUSTRADE AND EAST SIDE SPLIT AT SOUTH STREET  
RAMP

(continued)

**Index to Photographs  
Route 1 Extension, Southbound Viaduct  
(Structure No. 0703-152)  
HAER No. NJ-80 (Page 2)**

- NJ-80-11      VIEW NORTHEAST, TYPICAL LIGHT POLE**
- NJ-80-12      VIEW NORTHEAST, INTO SOUTH END OF VIADUCT**
- NJ-80-13      VIEW SOUTH, OUT OF SOUTH END OF VIADUCT**
- NJ-80-14      VIEW NORTHWEST, TYPICAL BALUSTRADE, SHOT INSIDE OF  
WEST SIDE OF WILSON AVENUE RAMP**
- NJ-80-15      VIEW NORTHEAST, UP THE WILSON AVENUE RAMP SHOWING  
WEST SIDE INTERIOR CONCRETE WALL**
- NJ-80-16      VIEW NORTHEAST, UP THE WILSON AVENUE RAMP SHOWING  
INTERIOR FOUR SPAN LONGITUDINAL ELEVATION OF EAST SIDE  
SPLIT**
- NJ-80-17      VIEW WEST, TYPICAL FACADE DETAIL UNDER RAILING, SHOT AT  
WEST SIDE SPLIT OVER WILSON AVENUE**
- NJ-80-18      VIEW NORTHEAST, NORTH ABUTMENT UNDER EAST SIDE SPLIT**
- NJ-80-19      VIEW NORTHEAST, THREE COLUMN CONCRETE BENT AND  
UNDERSIDE FRAMING UNDER EAST SIDE SPLIT ADJOINING RAMP  
(SECTION 11)**
- NJ-80-20      VIEW NORTH, LONGITUDINAL SECTION OF EAST SIDE  
ELEVATION SHOWING THROUGH TO INTERIOR BALUSTRADE OF  
WILSON AVENUE RAMP**
- NJ-80-21      VIEW SOUTHWEST, UNDERSIDE OF EAST SIDE SPLIT (SECTION 11)  
THROUGH TO STEEL SECTION AT WILSON AVENUE**
- NJ-80-22      VIEW WEST, EAST SIDE ELEVATION OF SECTION 11 STEEL SPANS  
AT WILSON AVENUE**
- NJ-80-23      VIEW NORTHEAST, ABUTMENT AT BEGINNING OF STEEL  
PORTION OF SECTION 11 UNDER WEST SPLIT AT WILSON AVENUE**
- NJ-80-24      VIEW WEST, TYPICAL OVERHANG BRACKET DETAIL, SHOT AT  
BEGINNING OF STEEL VIADUCT AT WILSON AVENUE**

**(continued)**

**Index to Photographs  
Route 1 Extension, Southbound Viaduct  
(Structure No. 0703-152)  
HAER No. NJ-80 (Page 3)**

- NJ-80-25      VIEW WEST, EAST ELEVATION OF CONCRETE PORTION OF SECTION 12, APPROXIMATE SPANS 18-25**
- NJ-80-26      VIEW WEST, ACROSS TYPICAL FOUR COLUMN CONCRETE BENT ALSO SHOWING UNDERSIDE FRAMING (SECTION 12)**
- NJ-80-27      VIEW WEST, TYPICAL DOUBLE CONCRETE COLUMN AT EXPANSION JOINT**
- NJ-80-28      VIEW NORTHEAST, TYPICAL FOUR COLUMN CONCRETE BENT (SECTION 12)**
- NJ-80-29      VIEW NORTHEAST, TYPICAL UNDERSIDE FRAMING DETAIL SHOWING CENTER JOINT OF CONCRETE PORTION OF SECTION 12**
- NJ-80-30      VIEW WEST, TOP SECTION DETAIL OF DOUBLE CONCRETE COLUMNS**
- NJ-80-31      VIEW EAST, WEST SIDE CONCRETE SPANS ELEVATION FROM TRACKS (SECTION 12)**
- NJ-80-32      VIEW SOUTHWEST, EAST SIDE ELEVATION OF STEEL PORTION OF SECTION 12 FROM NORTH OF DELANCY STREET**
- NJ-80-33      VIEW EAST, WEST SIDE ELEVATION OF STEEL SPANS OF SECTION 12 FROM DELANCY STREET**
- NJ-80-34      VIEW SOUTH, DOUBLE TWO COLUMN BENT WITH CROSS BRACING JUST SOUTH OF DELANCY STREET**
- NJ-80-35      VIEW SOUTH, THREE COLUMN STEEL BENT WITH FOUR SECTIONS OF CROSS BRACING AND OUTRIGGER, JUST SOUTH OF DELANCY STREET**
- NJ-80-36      VIEW NORTHWEST, DOUBLE COLUMN WITH SHARED CONCRETE BASE**
- NJ-80-37      VIEW SOUTHWEST, CENTER SPAN OF THREE SPAN FRAME SHOWING BRACING SYSTEM (SPAN 50)**

**(continued)**

**Index to Photographs  
Route 1 Extension, Southbound Viaduct  
(Structure No. 0703-152)  
HAER No. NJ-80 (Page 4)**

- NJ-80-38      VIEW SOUTHWEST, SUPPORT SYSTEM AT NORTH SIDE OF SOUTH STREET SPLIT, WITH UNDERSIDE FRAMING AND SOUTH STREET VIADUCT**
- NJ-80-39      VIEW EAST, WEST SIDE ELEVATION AT SOUTH STREET ALSO SHOWING SOUTH STREET VIADUCT**
- NJ-80-40      VIEW NORTH, UNDERSIDE FRAMING AND BRACING FROM SOUTH STREET DECK**
- NJ-80-41      VIEW SOUTH, VIEW FROM SOUTH STREET DECK UP THE SOUTH RAMP SHOWING INTERIOR SUPPORT FOR THE EAST SIDE SPLIT**
- NJ-80-42      VIEW NORTH, DETAIL, GRANITE BLOCK PAVING OF SOUTH STREET RAMP**
- NJ-80-43      VIEW SOUTHWEST, FROM SOUTH STREET DECK VIEW DOWN UNDERSIDE SIDEWALK (SECTION 13)**
- NJ-80-44      VIEW NORTHEAST, WEST SIDE SPLIT PORTAL AND WEST SIDE OF RAMP FROM SOUTH STREET**
- NJ-80-45      VIEW SOUTH WEST, COLUMNS AND FRAMING UNDER WEST SIDE SPLIT BY SOUTH STREET RAMP**
- NJ-80-46      VIEW NORTH, EAST SIDE PORTAL AND EAST SIDE OF RAMP FROM SOUTH STREET**
- NJ-80-47      VIEW SOUTH, TYPICAL FRAMING UNDER CENTER RAMP SECTION SOUTH OF SOUTH STREET**
- NJ-80-48      VIEW EAST, WEST SIDE ELEVATION (SECTION 13 TO 14A) SHOWING LENGTH OF UNDERSIDE SIDEWALK**
- NJ-80-49      VIEW SOUTHEAST, WEST SIDE ELEVATION AND SETTING FROM NEAR SOUTH STREET TO RAIL YARD**
- NJ-80-50      VIEW NORTHEAST, SHOWING CROSSOVER OF UNDERSIDE SIDEWALK FROM WEST SIDE TO EAST, AND SHOWING OVERHANG SUPPORT AND COLUMNS**

**(continued)**

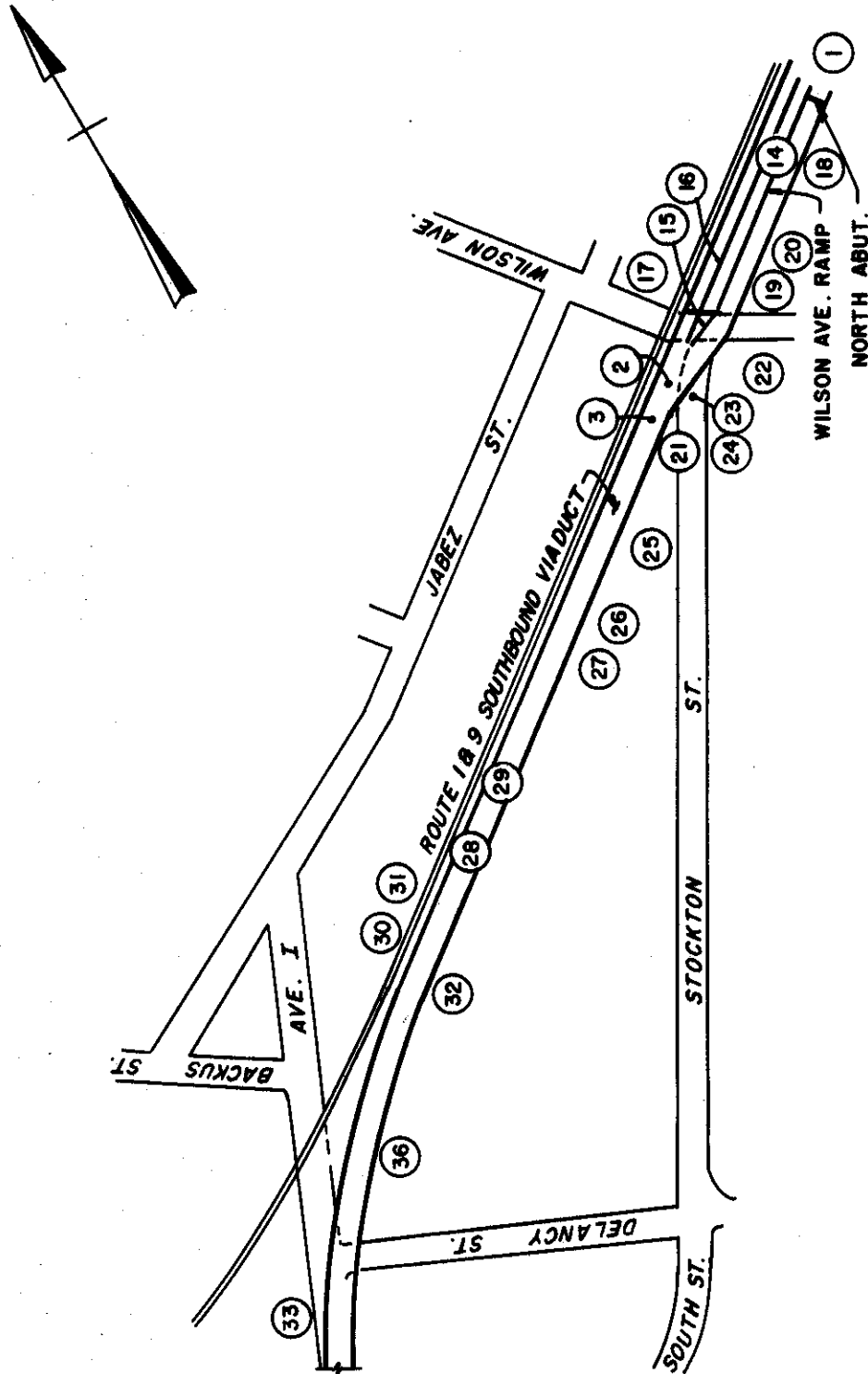
Index to Photographs  
Route 1 Extension, Southbound Viaduct  
(Structure No. 0703-152)  
HAER No. NJ-80 (Page 5)

- NJ-80-51      VIEW SOUTH, WIDE VIEW INTO SOUTH STREET RAMP  
NECKDOWN, SHOWING UNDERSIDE FRAMING OF CENTER RAMP  
SECTION AND BOTH EAST AND WEST SPLITS, AND STEEL BENTS
- NJ-80-52      VIEW SOUTH, SHOWING CHANGE IN UNDERSIDE FRAMING AND  
IN THE COLUMNS APPROACHING THE SOUTH STREET RAMP  
NECKDOWN
- NJ-80-53      VIEW SOUTHWEST, DETAIL, UP INTO THE SOUTH RAMP  
NECKDOWN SHOWING THE SUPPORT SYSTEM
- NJ-80-54      VIEW EAST, WEST SIDE ELEVATION AT RAIL YARD SPANS 66 - 70  
(SECTION 14A)
- NJ-80-55      VIEW WEST, EAST SIDE ELEVATION AT RAIL YARD SPANS 66 - 71  
(SECTION 14A)
- NJ-80-56      VIEW SOUTH, WEST SIDE AT CANTILEVER SPAN (SPAN 70)  
SHOWING FACADE, DOUBLE CROSS BRACING AT COLUMNS, AND  
CONCRETE BASE
- NJ-80-57      VIEW WEST, DETAIL OF CANTILEVER SPAN SHOWING  
OVERHANG FRAMING AND UNDERSIDE FRAMING
- NJ-80-58      VIEW SOUTH, TYPICAL COLUMN BENT, MIDDLE OF RAIL YARD  
(SECTION 14A)
- NJ-80-59      VIEW NORTH, TYPICAL UNDERSIDE FRAMING IN SECTION 14A
- NJ-80-60      VIEW SOUTH, WEST SIDE ELEVATION SHOWING NON-  
SYMMETRICAL COLUMN SPACING IN BENT AT PIER 74
- NJ-80-61      VIEW EAST, THREE COLUMN CONCRETE PIER (PIER 82) WITH  
BEARINGS
- NJ-80-62      VIEW SOUTH, SOUTH ABUTMENT AND FRAMING

~~(continued)~~

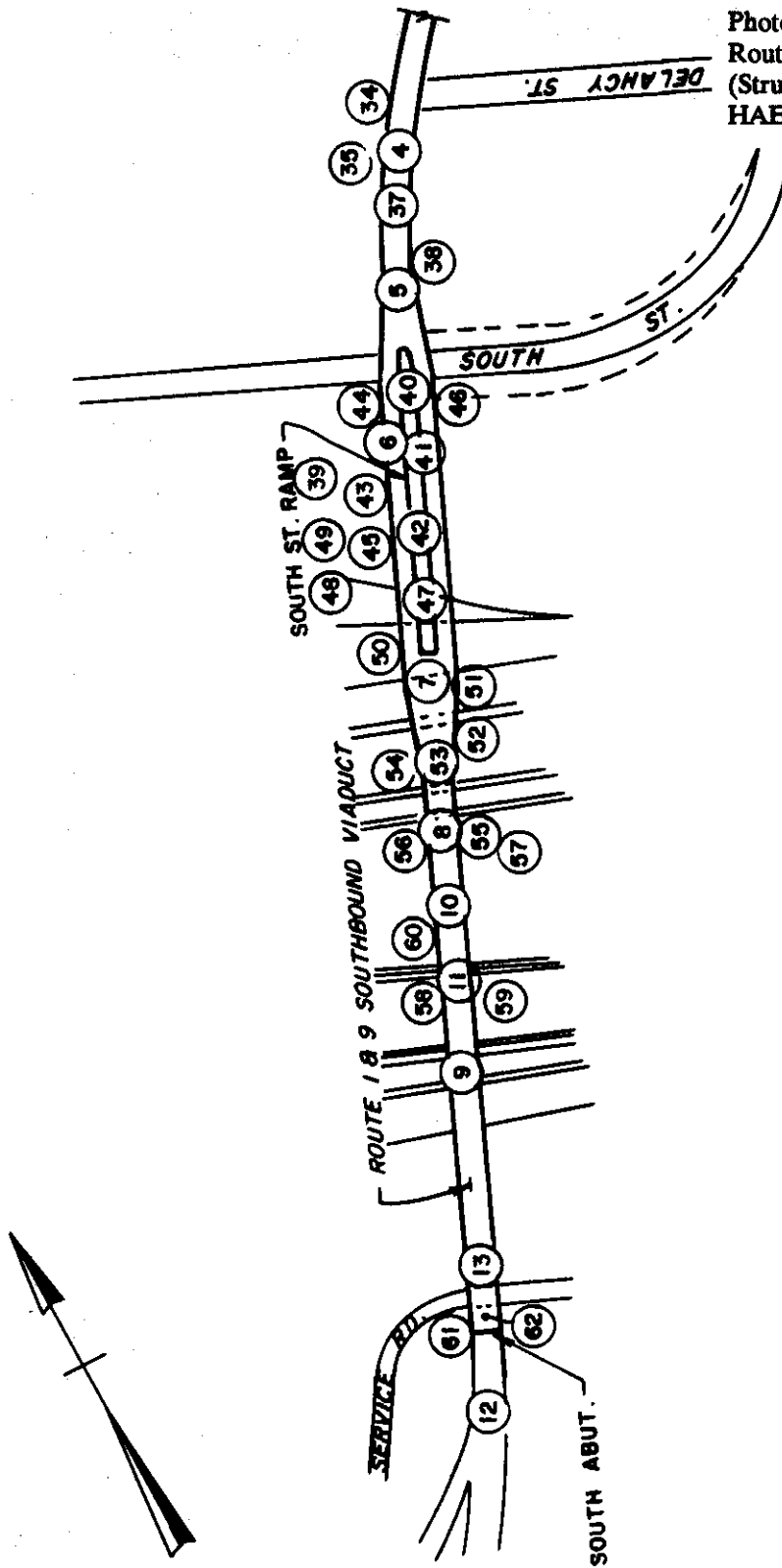
Photographic Key  
 Route 1 Extension, Southbound Viaduct  
 (Structure No. 0703-152)  
 HAER No. NJ-80 (Page 18)

PHOTOGRAPHIC KEY  
 (NORTHERN PORTION)



Photographic Key  
 Route 1 Extension, Southbound Viaduct  
 (Structure No. 0703-152)  
 HAER No. NJ-80 (Page 11)

4



PHOTOGRAPHIC KEY  
(SOUTHERN PORTION)